10/542,880 Yong Chu 11-27-2006

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS	6	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS	7	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS	8	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS	9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS	10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS	11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS	12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS	13	OCT 19	E-mail format enhanced
NEWS	14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS	15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	17	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	18	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	19	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS	20	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	21	NOV 13	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	22	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	23	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS	24	NOV 20	CA/CAplus patent kind codes will be updated

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:31:32 ON 27 NOV 2006

=>
=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:31:50 ON 27 NOV 2006
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STRUCTURE FILE UPDATES: 26 NOV 2006 HIGHEST RN 913953-45-4
DICTIONARY FILE UPDATES: 26 NOV 2006 HIGHEST RN 913953-45-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10542880\10542880.str

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 07:32:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 179 TO ITERATE

100.0% PROCESSED 179 ITERATIONS 31 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	2778 TO	4382
PROJECTED ANSWERS:	286 TO	954

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L2            31 SEA SSS SAM L1

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10542880\10542880A.str

L3       STRUCTURE UPLOADED

=> d
L3 HAS NO ANSWERS
L3               STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l3
SAMPLE SEARCH INITIATED 07:35:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -         4 TO ITERATE

100.0% PROCESSED         4 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            4 TO      200
PROJECTED ANSWERS:               0 TO        0

L4             0 SEA SSS SAM L3

=> s l3 full
FULL SEARCH INITIATED 07:36:29 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        78 TO ITERATE

100.0% PROCESSED        78 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L5             0 SEA SSS FUL L3

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10542880\10542880A-1.str

L6       STRUCTURE UPLOADED

=> d
L6 HAS NO ANSWERS
L6               STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l6
SAMPLE SEARCH INITIATED 07:41:59 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       139 TO ITERATE

100.0% PROCESSED       139 ITERATIONS                                 20 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         2073 TO     3487
PROJECTED ANSWERS:             132 TO      668
```

```
L7            20 SEA SSS SAM L6

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   175.30     175.51

FILE 'CAPLUS' ENTERED AT 07:43:38 ON 27 NOV 2006
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FILE COVERS 1907 - 27 Nov 2006  VOL 145 ISS 23
FILE LAST UPDATED: 26 Nov 2006  (20061126/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

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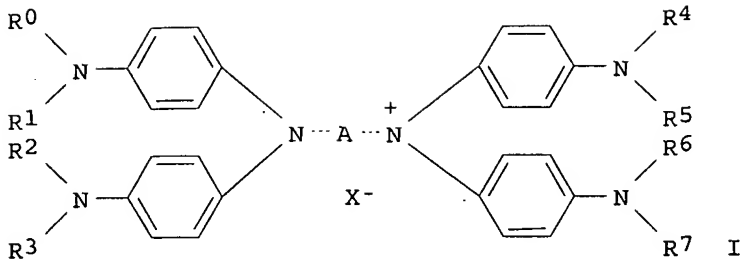
=> s l7
L8            26 L7

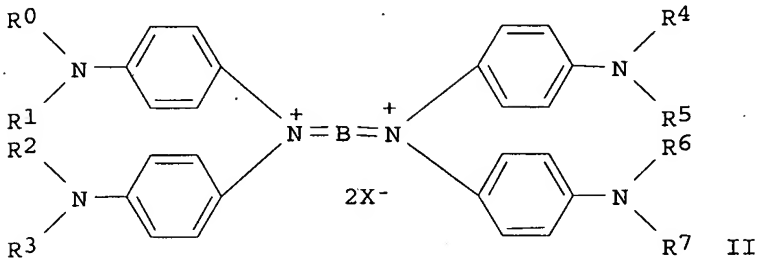
=> d ibib abs hitstr 15-26

L8   ANSWER 15 OF 26  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:        1994:712146  CAPLUS
DOCUMENT NUMBER:         121:312146
TITLE:                   IR-absorbing compound and optical recording medium
                         using same
INVENTOR(S):             Mihara, Cheko; Tamura, Miki; Santo, Takeshi; Sugata,
                         Hiroyuki
PATENT ASSIGNEE(S):      Canon Kk, Japan
SOURCE:                  Jpn. Kokai Tokkyo Koho, 109 pp.
                         CODEN: JKXXAF
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
     --------------      ----   --------    --------------------     --------
     JP 06024146          A2    19940201    JP 1993-110576           19930512
PRIORITY APPLN. INFO.:                      JP 1992-145046       A1  19920512
GI
```



I



II

AB The title compd. has a formula I or II (R0-7= H, monovalent org. residue while at least 1 of them contains F; or at least 1 group of R0 and R1, R2 and R3, R4 and R5 and R6 and R7 being atoms required to form a F-contg. 5-7-membered ring with N while others being H, monovalent org. residue; A, B = specified arom. group; X = anion). The recording medium contains the above compd. in its recording layer. The compd. shows good soly. and heat resistance to give recording medium with superior light and heat-resistance.

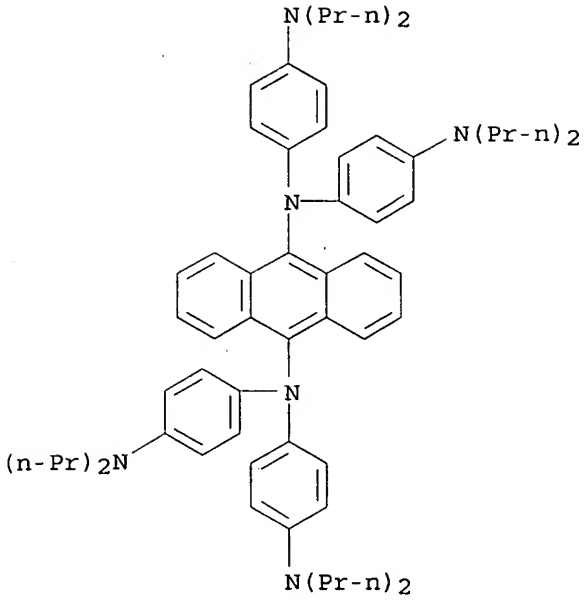
IT 159253-30-2
RL: USES (Uses)
(IR-absorbent, optical recording medium using)

RN 159253-30-2 CAPLUS

CN Antimonate(1-), hexafluoro-, (OC-6-11)-, salt with N,N,N',N'-tetrakis[4-(dipropylamino)phenyl]-9,10-anthracenediamine (1:1) (9CI) (CA INDEX NAME)

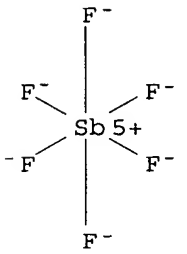
CM 1

CRN 159253-18-6
CMF C62 H80 N6
CCI RIS



CM 2

CRN 17111-95-4
CMF F6 Sb
CCI CCS



L8 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:10626 CAPLUS
DOCUMENT NUMBER: 118:10626
TITLE: Manufacture of infrared- and ultraviolet-absorbing automotive windows
INVENTOR(S): Ishiguro, Michio; Aoyama, Tsuyoshi; Isa, Isao
PATENT ASSIGNEE(S): Japan Carlit Co., Ltd., Japan; Toyota Motor Corp.
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04160037	A2	19920603	JP 1990-253714	19901024

PRIORITY APPLN. INFO.: JP 1990-253714 19901024
OTHER SOURCE(S): MARPAT 118:10626
AB The process comprises coating automotive glass with a compn. contg. org. UV absorbents, org. IR absorbents, thin film-forming resins, and solvents,

and forming a thin film on the glass surface by evaporative drying of the solvents. The resulting windows prevent sunburn, deterioration of the interior, and excessive heat inside automobiles.

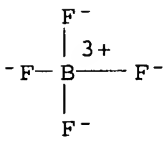
IT 102278-59-1
RL: USES (Uses)
(UV absorbent, coating materials contg. IR absorbent and resin and, coating with, of glass for automotive windows)

RN 102278-59-1 CAPLUS

CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(diethylamino)phenyl]-, mono[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

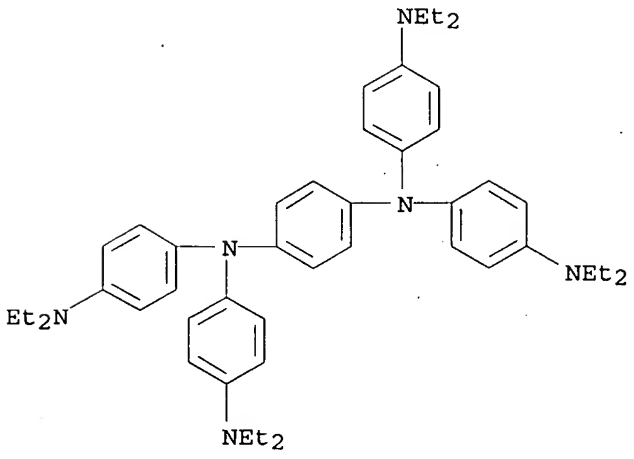
CRN 16872-11-0
CMF B F4 . H
CCI CCS



● H^+

CM 2

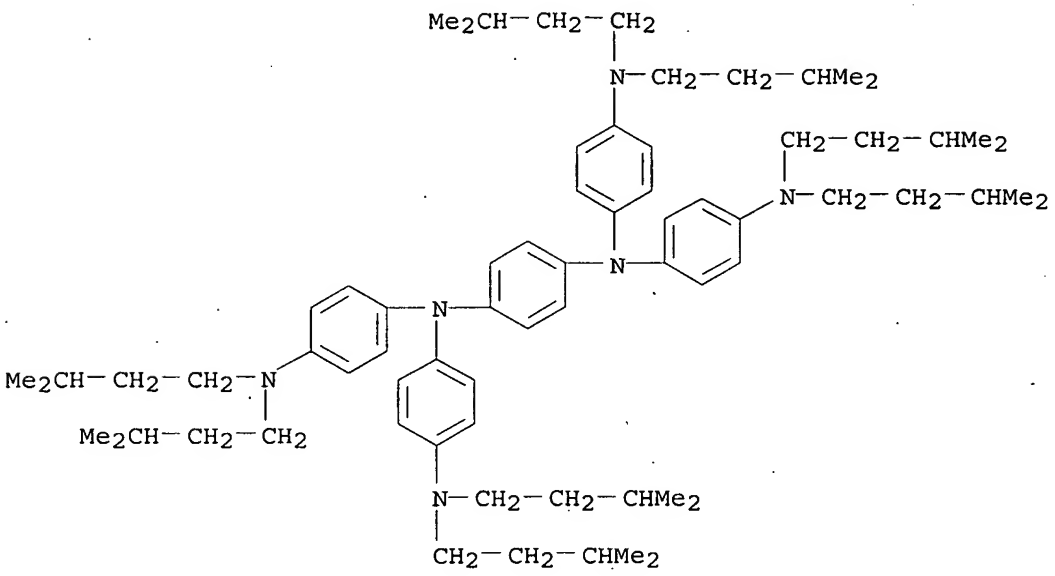
CRN 3956-73-8
CMF C46 H60 N6



L8 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1992:162594 CAPLUS
DOCUMENT NUMBER: 116:162594
TITLE: Erasable optical recording medium
INVENTOR(S): Omichi, Takahiro; Jo, Hisashi; Kawaguchi, Takeyuki; Iwata, Kaoru
PATENT ASSIGNEE(S): Teijin Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

RN 485831-61-6 CAPLUS
CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-[bis(3-methylbutyl)amino]phenyl]-
(9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:448259 CAPLUS
DOCUMENT NUMBER: 111:48259
TITLE: Heat-mode optical information recording medium
INVENTOR(S): Hamada, Emiko; Shin, Ariake; Ishiguro, Takashi
PATENT ASSIGNEE(S): Taiyo Yuden Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01040390	A2	19890210	JP 1987-197154	19870806
JP 07004982	B4	19950125		

PRIORITY APPLN. INFO.: JP 1987-197154 19870806
GI For diagram(s), see printed CA Issue.
AB The title medium contains indolenine-type cyanine I [A1-2 = at. groups forming (substituted) benzene, (substituted) naphthalene; B = -CH:CHCH:CHCH: (substituted with halo, alkyl, alkoxy, ring, etc.); R1-2 = (substituted) alkyl, alkoxy, alkylhydroxy, aralkyl, alkenyl, alkylcarboxy (linked to alkali metal ion or alkyl), alkylsulfonyl (linked to alkali metal ion or alkyl); X1 = halo, HClO4, HBF4, PhSO3H, toluenesulfonic acid, alkylsulfonic acid, benzenecarboxylic acid, alkylcarboxylic acid, trifluoromethylcarboxylic acid; X1 may be substituted with alkali metal ion in R1-2], and amines II [R3 = H, alkyl; X2 = halo, HClO4, HBF4, fluorinated carboxylic acid, SbF6, AsF6, etc.; n = 1-4]. Thus, an epoxy resin plate was spin-coated with a CH2ClCH2Cl soln. of cyanine III and amine IV to give the title recording medium. Recording with 780 nm semiconductor laser by using the medium showed carrier-to-noise ratio 50 dB.
IT 106152-89-0, IRG 003
RL: TEM (Technical or engineered material use); USES (Uses)
(optical recording medium contg., IRG 003)

FILE COVERS 1907 - 27 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 26 Nov 2006 (20061126/ED)

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=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.46	240.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-9.00

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STRUCTURE FILE UPDATES: 26 NOV 2006 HIGHEST RN 913953-45-4
DICTIONARY FILE UPDATES: 26 NOV 2006 HIGHEST RN 913953-45-4

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s l6 full
FULL SEARCH INITIATED 07:48:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2522 TO ITERATE

100.0% PROCESSED 2522 ITERATIONS 312 ANSWERS
SEARCH TIME: 00.00.02

L9 312 SEA SSS FUL L6

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	407.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-9.00

FILE 'CAPLUS' ENTERED AT 07:49:05 ON 27 NOV 2006
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FILE LAST UPDATED: 26 Nov 2006 (20061126/ED)

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http://www.cas.org/infopolicy.html

```
=> s l9
L10         470 L9

=> s l9 and alkylsulfonic acid
            470 L9
            582 ALKYLSULFONIC
        4248290 ACID
        1550173 ACIDS
        4745205 ACID
                (ACID OR ACIDS)
            539 ALKYLSULFONIC ACID
                (ALKYLSULFONIC(W)ACID)
L11           2 L9 AND ALKYLSULFONIC ACID

=> d ibib abs hitstr tot
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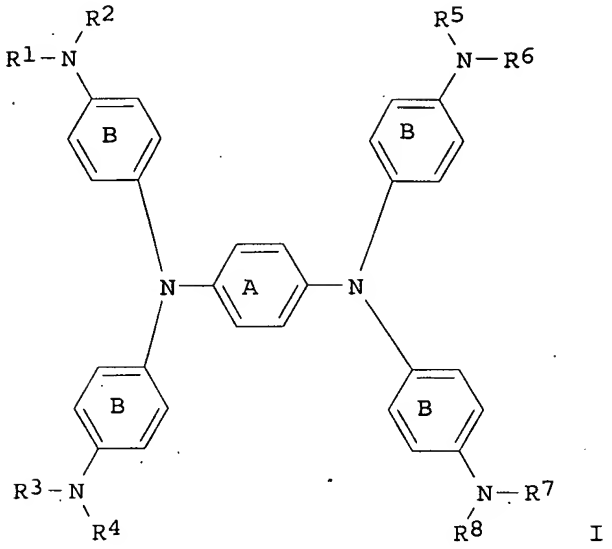
L11 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

Current application

ACCESSION NUMBER: 2004:650195 CAPLUS
DOCUMENT NUMBER: 141:197141
TITLE: Near-infrared absorbing compound and near-infrared absorbing filter using same
INVENTOR(S): Kitayama, Yasuyuki; Yamamura, Shigeo
PATENT ASSIGNEE(S): Nippon Kayaku Kabushiki Kaisha, Japan
SOURCE: PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2004068199	A1	20040812	WO 2004-JP535		20040122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI					
EP 1589358	A1	20051026	EP 2004-704367		20040122
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
CN 1742214	A	20060301	CN 2004-80002742		20040122
US 2006091365	A1	20060504	US 2005-542880		20050929
PRIORITY APPLN. INFO.:			JP 2003-17537	A	20030127
			WO 2004-JP535	W	20040122

OTHER SOURCE(S): MARPAT 141:197141
GI



I

AB A near-IR absorbing filter which does not contain Sb, As or the like and is excellent in heat resistance is disclosed. The near-IR absorbing filter is characterized by contg. a compd. composed of a salt of cations obtained by oxidizing substance represented by I [rings A and B may have substituents; and R1-8 = alkyl, cycloalkyl, alkenyl and aryl groups having 1-8 C atoms] and anions (X), which are alkylsulfonic acid ions having 1-8 C atoms that are necessary for neutralizing the cations and not substituted or may be substituted with a halogen atom, a lower alkoxy group, a cyano group, or a hydroxyl group. The near-IR absorbing filter is useful in making a plasma display panel.

IT 737008-72-9P 737008-73-0P 737008-74-1P
737008-77-4P 737008-79-6P 737008-82-1P
RL: DEV (Device component use); MOA (Modifier or additive use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(near-IR absorbing compd. and near-IR absorbing filter)

RN 737008-72-9 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dibutylamino)-N-[4-(dibutylamino)phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

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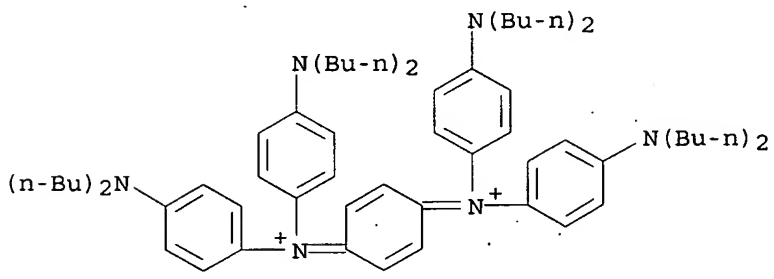
CRN 47911-98-8
CMF C62 H92 N6



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CRN 37181-39-8
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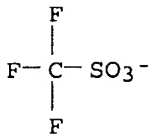

RN 737008-73-0 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-[bis(3-methylbutyl)amino]-N-[4-[bis(3-methylbutyl)amino]phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

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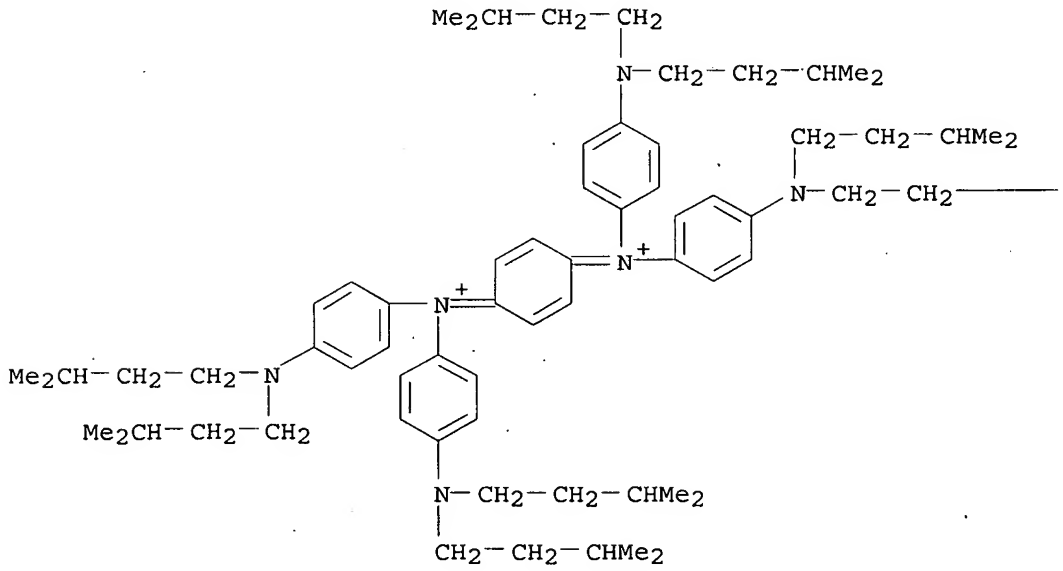
CRN 485831-25-2
CMF C70 H108 N6

PAGE 1-A



PAGE 1-B

— $CHMe_2$

CM 2

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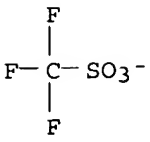
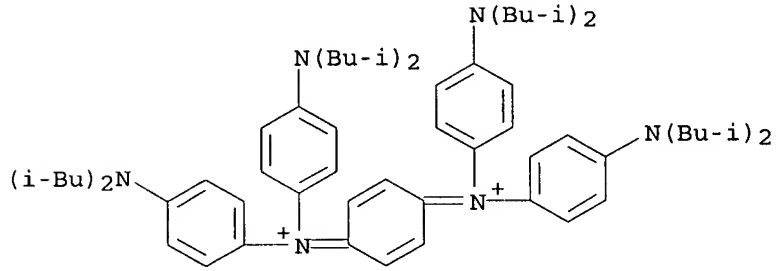
CMF C F3 O3 S



RN 737008-74-1 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-[bis(2-methylpropyl)amino]-N-[4-[bis(2-methylpropyl)amino]phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

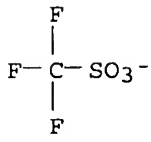
CM 1

CRN 485831-20-7
CMF C62 H92 N6



CM 2

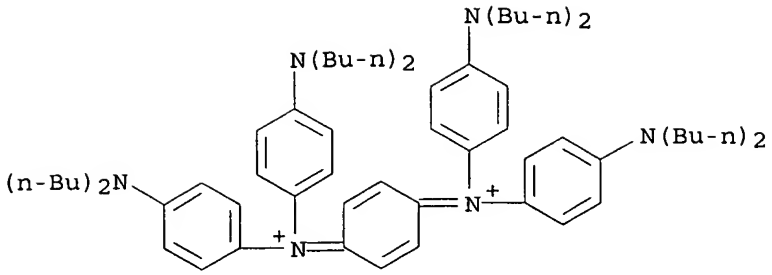
CRN 37181-39-8
CMF C F3 O3 S



RN 737008-77-4 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dibutylamino)-N-[4-(dibutylamino)phenyl]-, salt with 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 47911-98-8
CMF C62 H92 N6



CM 2

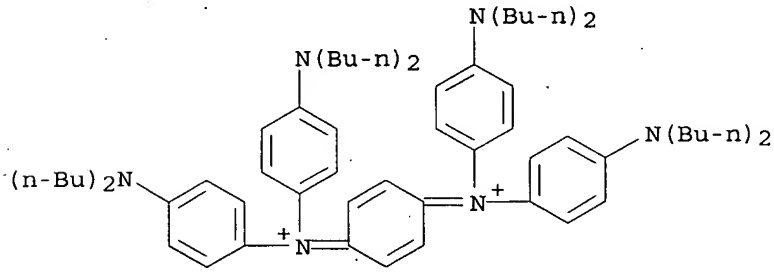
CRN 45187-15-3
CMF C4 F9 O3 S

$^{-}O_3S-(CF_2)_3-CF_3$

RN 737008-79-6 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dibutylamino)-N-[4-(dibutylamino)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 47911-98-8
CMF C62 H92 N6



CM 2

CRN 45298-90-6
CMF C8 F17 O3 S

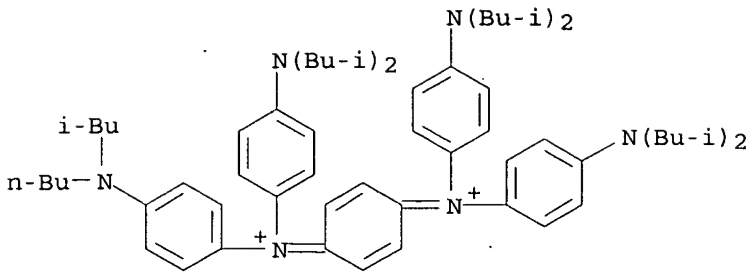
$^{-}O_3S-(CF_2)_7-CF_3$

RN 737008-82-1 CAPLUS
CN Benzenaminium, N-[4-[bis[4-[bis(2-methylpropyl)amino]phenyl]iminio]-2,5-cyclohexadien-1-ylidene]-4-[bis(2-methylpropyl)amino]-N-[4-[butyl(2-methylpropyl)amino]phenyl]-, salt with trifluoromethanesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

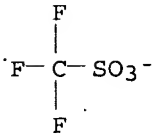
CRN 737008-81-0

CMF C62 H92 N6

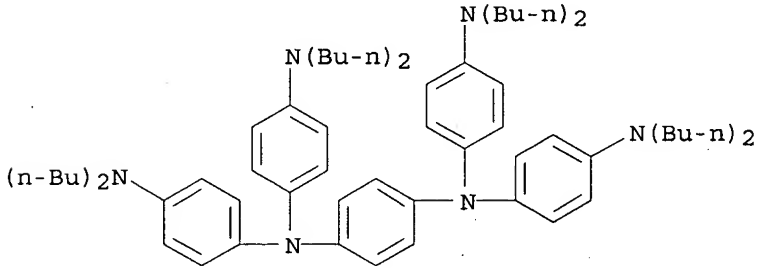


CM 2

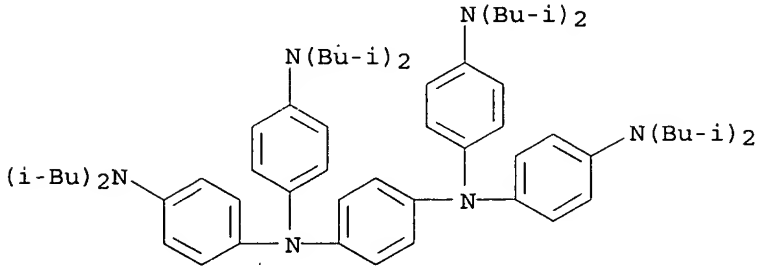
CRN 37181-39-8
CMF C F3 O3 S



IT 4182-80-3 485831-34-3 485831-61-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(near-IR absorbing compd. and near-IR absorbing filter)
RN 4182-80-3 CAPLUS
CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(dibutylamino)phenyl]- (9CI) (CA INDEX NAME)



RN 485831-34-3 CAPLUS
CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-[bis(2-methylpropyl)amino]phenyl]- (9CI) (CA INDEX NAME)



CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03121890	A2	19910523	JP 1989-258882	19891005

PRIORITY APPLN. INFO.: JP 1989-258882 19891005

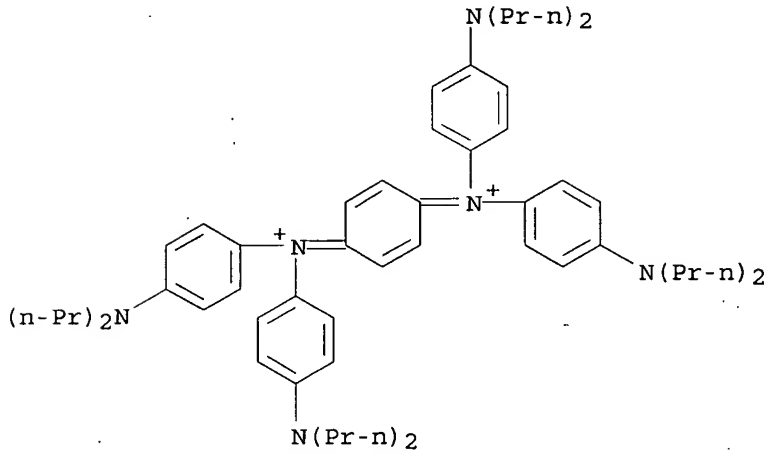
AB The erasable optical recording medium on a substrate is composed of an expansion layer contg. a resin (P1) elastic at room temp. and a near-IR-absorbing dye (D1) and a retaining layer contg. a resin (P2) capable of reversibly changing state between glass state at room temp. and rubber state at a higher temp. This recording medium is characterized in that (1) D1 and D2 show different absorption max. in near-IR region, (2) D1 and D2 are dispersed in P1 and P2 at 5 - 30 phr, resp., (3) the layer (A) and/or (B) contain aminium and/or diimonium compd. stabilizing agent 5 - 30 phr in the corresponding resin, and (4) the sum of the dyes and the stabilizing agent is .ltoreq.40 phr of the total amt. of the resin.

IT 102279-11-8 139889-50-2
RL: USES (Uses)
(erasable optical recording medium contg.)

RN 102279-11-8 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

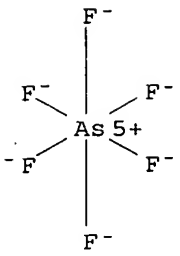
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

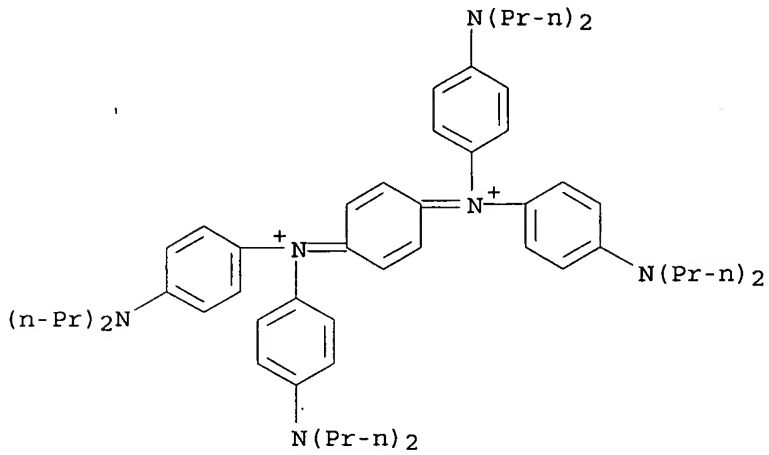
CRN 16973-45-8
CMF As F6
CCI CCS



RN 139889-50-2 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, diperchlorate (9CI) (CA INDEX NAME)

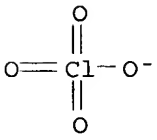
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

CRN 14797-73-0
CMF Cl O4

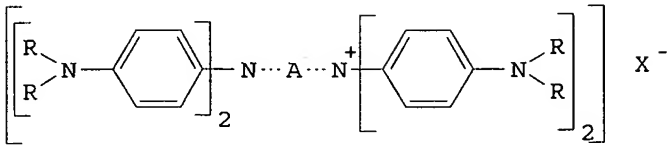


L8 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:544196 CAPLUS
DOCUMENT NUMBER: 111:144196
TITLE: Optical recording medium
INVENTOR(S): Oguchi, Yoshihiro; Sugata, Hiroyuki; Miura, Kyo; Fukui, Tetsuro; Takasu, Yoshio
PATENT ASSIGNEE(S): Canon K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 25 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

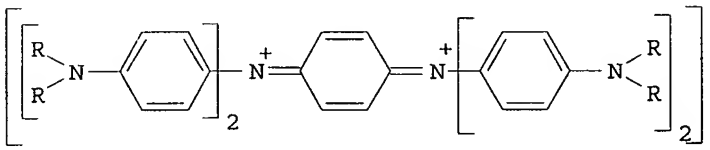
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63226642	A2	19880921	JP 1987-258807	19871014
US 4923390	A	19900508	US 1988-227862	19880802
PRIORITY APPLN. INFO.:			JP 1986-244609	A1 19861014
			JP 1986-253301	A1 19861023
			JP 1987-194597	A 19870804
			US 1987-106820	B2 19871013

GI



I



II

AB An optical recording medium contains .gtoreq.1 polymethine dyes and a compd. selected from an aminium compd. (I) [R = H, alkyl; A = phenylene, biphenyline; Xe = anion], and a diimonium compd. (II) [R = H, alkyl; X- = anion]. The material shows superior writing and reading capabilities and good shelf life.

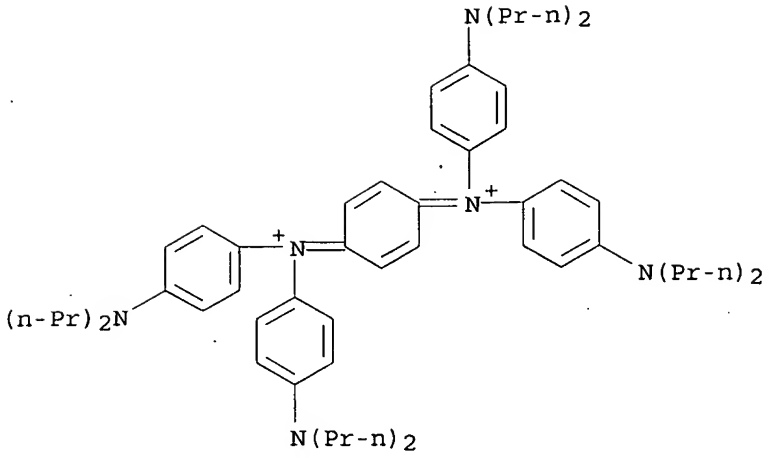
IT 102279-11-8
RL: TEM (Technical or engineered material use); USES (Uses)
(optical recording medium using)

RN 102279-11-8 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

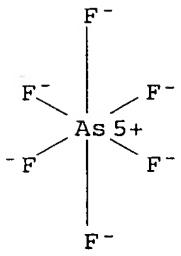
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

CRN 16973-45-8
CMF As F6
CCI CCS



L8 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:448215 CAPLUS
DOCUMENT NUMBER: 111:48215
TITLE: Optical recording medium containing diazulenium salt
INVENTOR(S): Oguchi, Yoshihiro; Santoh, Tsuyoshi
PATENT ASSIGNEE(S): Canon K. K., Japan
SOURCE: Eur. Pat. Appl., 75 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 295144	A1	19881214	EP 1988-305358	19880610
EP 295144	B1	19930317		
R: DE, FR, GB				
JP 63309497	A2	19881216	JP 1987-145305	19870612
JP 08013572	B4	19960214		
JP 63312186	A2	19881220	JP 1987-146975	19870615
JP 08018461	B4	19960228		
US 4921780	A	19900501	US 1988-204255	19880609

PRIORITY APPLN. INFO.: JP 1987-145305 A 19870612
JP 1987-146975 A 19870615

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB An optical recording medium comprises an org. thin film contg. an azulenium salt of the formula I or II [R1-R14 = H, halogen, org. residue; any 2 adjacent substituents may form a fused ring; A = an org. residue]. The recording layer optionally contains an aminium salt compd. The recording material is suitable for recording with a semiconductor laser for an optical disk or an optical card. Thus, an org. recording layer contained III which produced records with a low noise level.

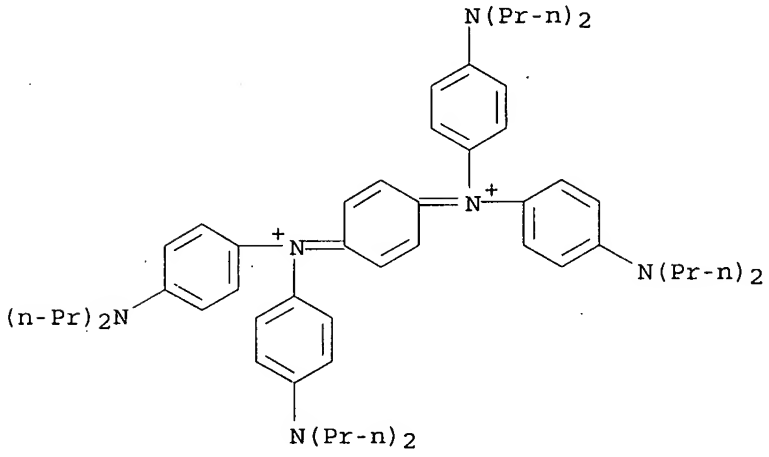
IT 102279-11-8
RL: USES (Uses)
(optical recording medium contg. diazulenium salt compd. and)

RN 102279-11-8 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

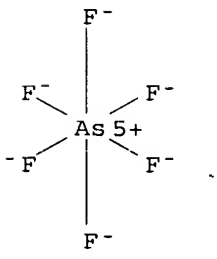
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

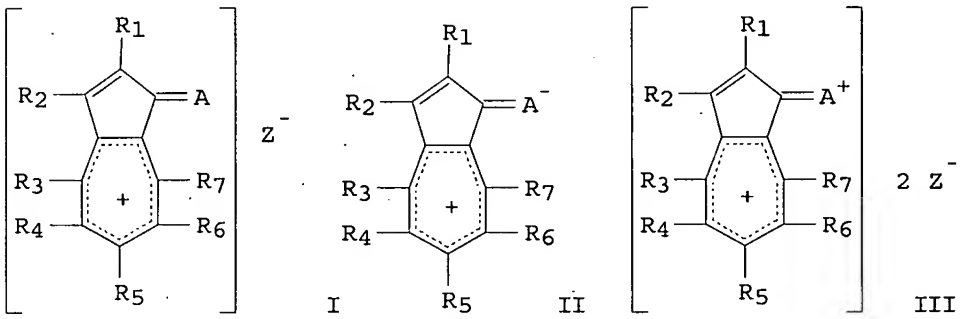
CRN 16973-45-8
CMF As F6
CCI CCS

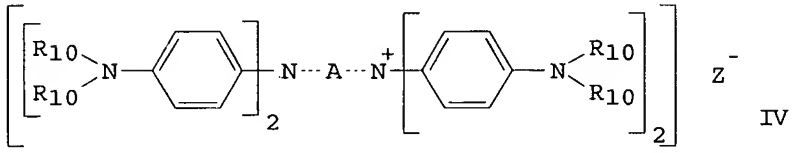


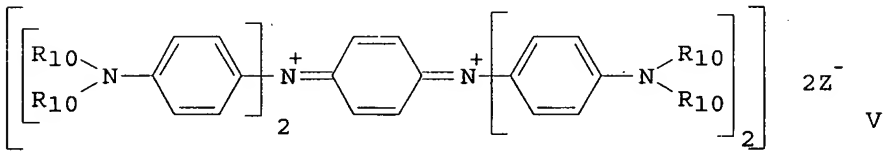
L8 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:183055 CAPLUS
DOCUMENT NUMBER: 110:183055
TITLE: Laser optical recording material containing organic dyes
INVENTOR(S): Oguchi, Yoshihiro; Horiike, Tetsuro; Miura, Kyo; Sugata, Hiroyuki; Takasu, Yoshio
PATENT ASSIGNEE(S): Canon K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63107590	A2	19880512	JP 1986-253302	19861023

PRIORITY APPLN. INFO.: JP 1986-253302 19861023
GI







AB The title material contains an azulenium salt compd. represented by I, II, or III (R1-R7 = H, halogen, monovalent org. moiety; A = divalent org. moiety; Z = anion moiety) and an aminium salt compd. IV (R10 = H, alkyl; A = p-phenylene, AA; and Z = cation) or a diiminium salt compd. VI in the recording layer. This material has high C/N ratio, thermal and optical stability, and precise threshold value to laser power.

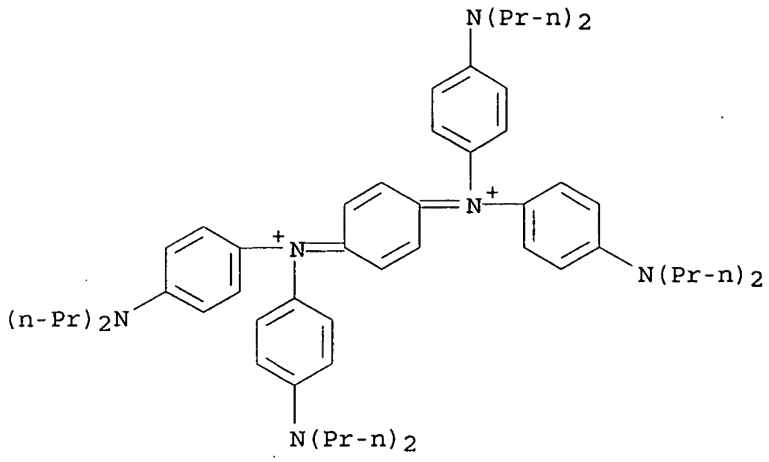
IT 102279-11-8
RL: TEM (Technical or engineered material use); USES (Uses)
(optical recording material contg.)

RN 102279-11-8 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-

N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

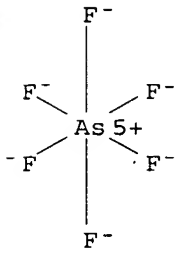
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

CRN 16973-45-8
CMF As F6
CCI CCS

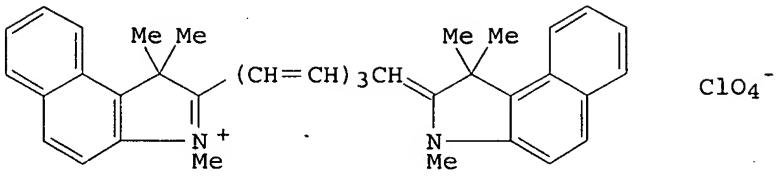


L8 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1988:519775 CAPLUS
DOCUMENT NUMBER: 109:119775
TITLE: Optical recording materials containing polymethine dye and salt
INVENTOR(S): Satoh, Tsutomu; Eida, Tatsuya; Ichinose, Keiko
PATENT ASSIGNEE(S): Ricoh Co., Ltd., Japan
SOURCE: Ger. Offen., 46 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

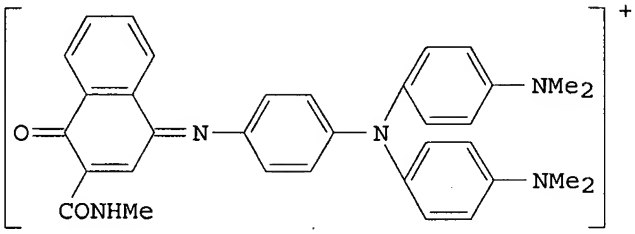
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3724981	A1	19880204	DE 1987-3724981	19870728

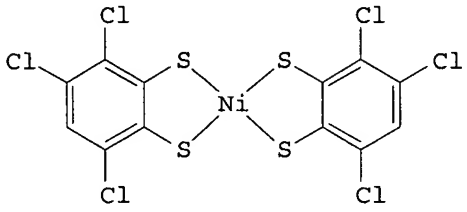
JP 63031792	A2	19880210	JP 1986-175515		19860728
JP 08022613	B4	19960306			
JP 63067187	A2	19880325	JP 1986-210528		19860909
JP 08022615	B4	19960306			
PRIORITY APPLN. INFO.:			JP 1986-175515	A	19860728
			JP 1986-210528	A	19860909

GI



I





II

AB An optical recording material is described which consists of a support and a thin org. recording layer composed of a polymethine dye and salt from a cation and a metal complex anion. The material has an outstanding resistance to heat and light, good stability, and low wear during the reprodn. of the recorded information. Thus, a grooved poly(Me methacrylate) support was coated with a soln. contg. I, II, and 1,2-dichloroethane on a support, dried, and then recorded upon using a semiconductor laser to show excellent results.

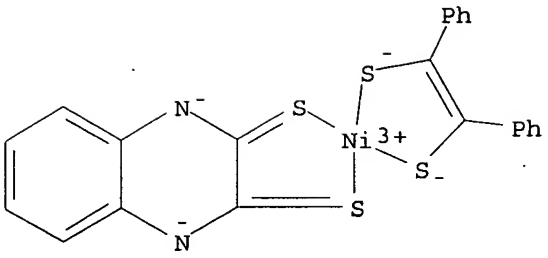
IT 116249-59-3
RL: USES (Uses)
(optical recording material contg. polymethine dye and)

RN 116249-59-3 CAPLUS

CN Nickelate(1-), [1,4-dihydro-2,3-quinoxalinedithionato(2-)-S,S'][1,2-diphenyl-1,2-ethenedithiolato(2-)-S,S']-, salt with N,N,N',N'-tetrakis[4-(dipropylamino)phenyl]-1,4-benzenediamine (1:1) (9CI) (CA INDEX NAME)

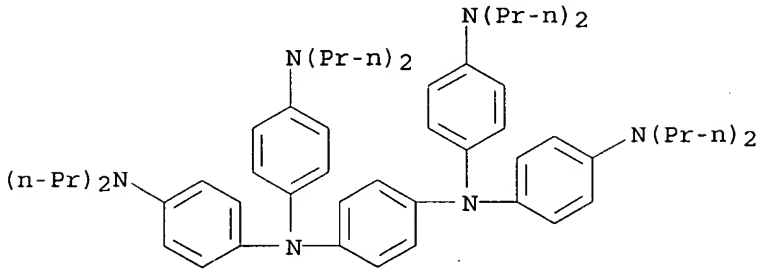
CM 1

CRN 116249-58-2
CMF C22 H14 N2 Ni S4
CCI CCS



CM 2

CRN 110993-02-7
CMF C54 H76 N6
CCI RIS



L8 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1987:626046 CAPLUS
DOCUMENT NUMBER: 107:226046
TITLE: Light-durable additives for indolenine laser recording medium and optical filters
INVENTOR(S): Sato, Giichi; Shindo, Shigeto; Numa, Tatsuya; Sumiya, Mitsukuni
PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62050187	A2	19870304	JP 1985-188516	19850829
JP 04065796	B4	19921021		

PRIORITY APPLN. INFO.: JP 1985-188516 19850829
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The light durability of the indolenine dye of the formula I is improved by adding .gtoreq.1 or .gtoreq.2 compds. of the formula II-IV (R = alkyl, alkoxyalkyl, alkoxy alkoxyalkyl; A = V, VI, VII; B = H, Cl, NPh2; R1 = alkyl; E = Ph, naphthyl). A compn. contg. the indolenine dye and the additives may be used to form a laser recording medium and an IR optical

filter.

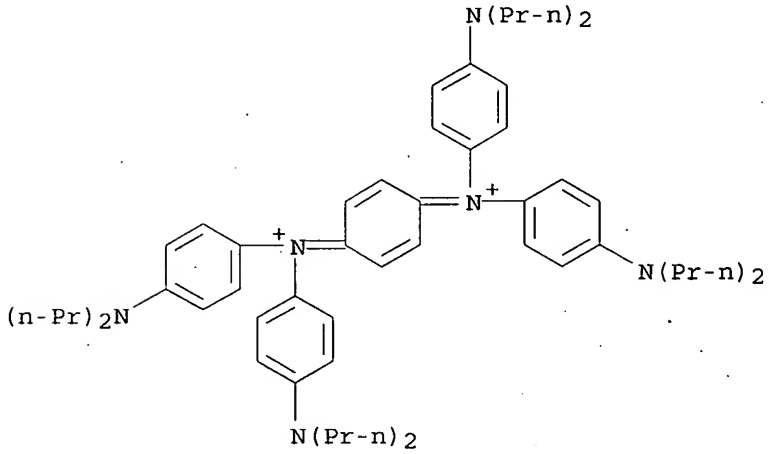
IT 3345-80-0
RL: USES (Uses)
(light-durable additive, laser recording medium with recording layer contg. indolenine dye and, for improved light durability)

RN 3345-80-0 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[(OC-6-11)-hexafluoroantimonate(1-)] (9CI) (CA INDEX NAME)

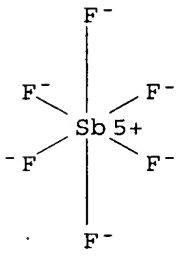
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

CRN 17111-95-4
CMF F6 Sb
CCI CCS



L8 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1987:424277 CAPLUS
DOCUMENT NUMBER: 107:24277
TITLE: Improved light-resistant UV absorber
INVENTOR(S): Sato, Giichi; Shindo, Shigeto; Numa, Tatsuya; Sumiya, Mitsukuni
PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent

LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62032132	A2	19870212	JP 1985-171792	19850806
JP 04053892	B4	19920827		

PRIORITY APPLN. INFO.: JP 1985-171792 19850806
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

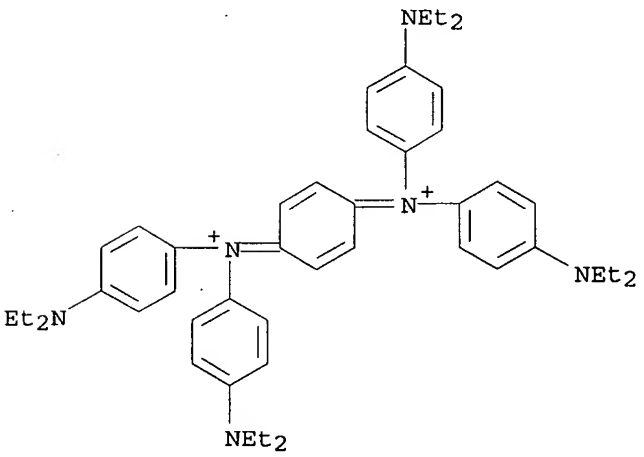
AB The light stability of UV absorber compd. (I) (R = alkyl; R1 = C2-6 alkylamino, halogen substituted Ph; X = anionic) is improved by compd. (II), (III), or (IV) (R and X ; same as above; A = substituted Ph or naphthalene) and/or metal acetylacetonate (V). A mixt. of 1 g I (R = Et; R1 = C6H4NEt2; X = ClO4), 1 g II (R = Et; X = SbF6), and 100 mL dichloroethane was coated on an acrylic plate at 2000 rpm. exhibiting H retention (ratio of absorption after exposure to initial value) 99.6% after exposure to Xenon fade meter for 82 h, vs. 0% for I only.

IT 51302-29-5 102278-59-1
RL: USES (Uses)
(additives, for UV stabilizers, improved stability)

RN 51302-29-5 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(diethylamino)-N-[4-(diethylamino)phenyl]-, dinitrate (9CI) (CA INDEX NAME)

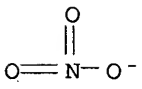
CM 1

CRN 47883-84-1
CMF C46 H60 N6



CM 2

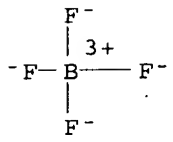
CRN 14797-55-8
CMF N O3



RN 102278-59-1 CAPLUS
CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(diethylamino)phenyl]-, mono[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

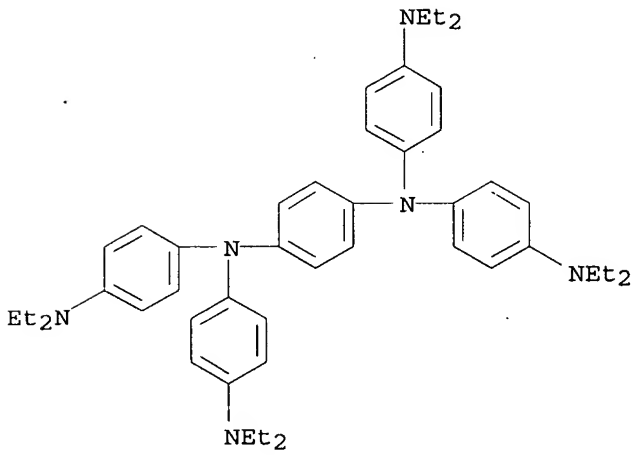
CM 1

CRN 16872-11-0
CMF B F4 . H
CCI CCS



CM 2

CRN 3956-73-8
CMF C46 H60 N6

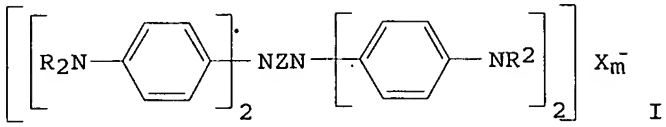


L8 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1986:234361 CAPLUS
DOCUMENT NUMBER: 104:234361
TITLE: Optical information recording medium
INVENTOR(S): Sato, Tsutomu; Umehara, Masaakira; Abe, Michiharu; Oba, Hideaki; Ueda, Yutaka
PATENT ASSIGNEE(S): Ricoh Co., Ltd., Japan
SOURCE: Brit. UK Pat. Appl., 18 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent

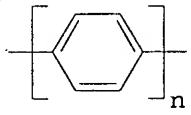
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
GB 2155811	A1	19851002	GB 1985-3022		19850206
GB 2155811	B2	19870121			
JP 06026028	B4	19940406	JP 1984-18222		19840206
JP 60236131	A2	19851122	JP 1984-91922		19840510
US 4656121	A	19870407	US 1985-698701		19850206
PRIORITY APPLN. INFO.:			JP 1984-18222	A	19840206
			JP 1984-91922	A	19840510

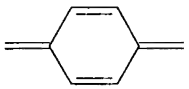
GI



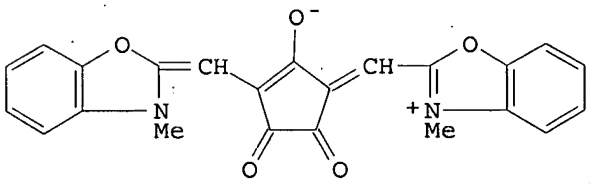
I



II



III



IV

AB A laser optical recording material is comprised of a plastic substrate and an org. recording layer and, optionally, an underlayer and/or a protective layer in which .gtoreq.1 of the layers contains a compd. of the formula I (R = H, lower alkyl; Z = II where n = 1, 2, III; X = acid anion; m = 0, 1, 2 being 2 when Z = II; each of the arom. rings in the compd. may be substituted with .gtoreq.1 halogen, lower alkyl, lower alkoxy, or OH). A polymethine compd. may also be contained in the recording layer as a coloring material. Thus, a 1,2-dichloroethane soln. of a 1:1 mixt. of I (R = Et; Z = phen-1,4-ylene; X-m = BF4-) and IV was spin-coated on a 1.2 mm poly(Me methacrylate) support to give a recording layer (700 .ANG. thick). The resultant laser recording material required a writing power of 3.3 mW, had a reflectivity of 25.5%, and exhibited a C/N ratio of 52 dB vs. 3.5 mW, 20.9%, and 46 dB, resp., after light irradn. for 50 h.

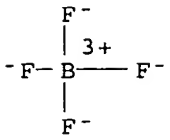
IT 102278-59-1 102278-73-9 102279-11-8
RL: USES (Uses)
(laser optical recording layer contg. polymethine coloring agent and)

RN 102278-59-1 CAPLUS

CN 1,4-Benzenediamine, N,N,N',N'-tetrakis[4-(diethylamino)phenyl]-, mono[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

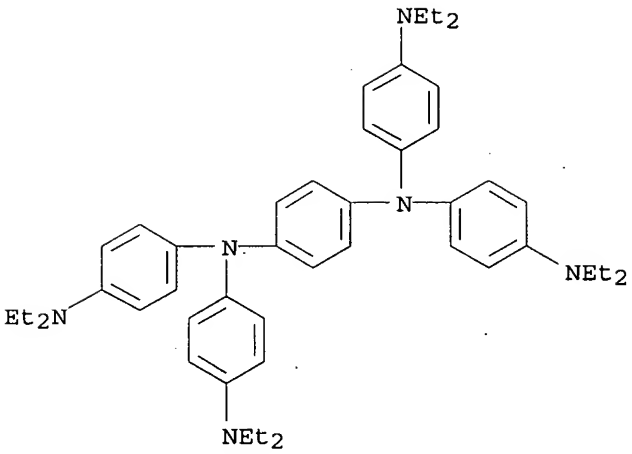
CRN 16872-11-0
CMF B F4 . H
CCI CCS



● H^+

CM 2

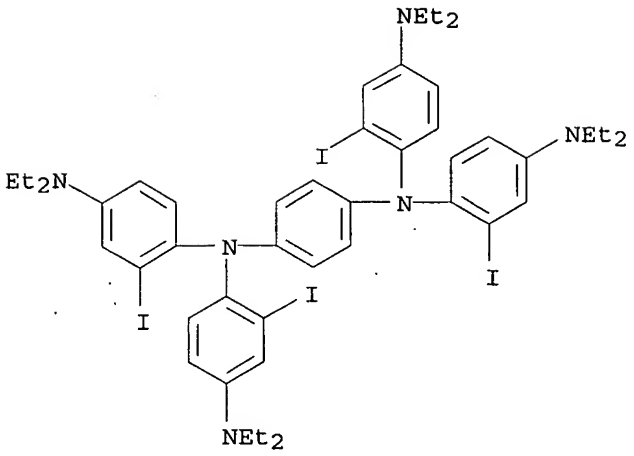
CRN 3956-73-8
CMF C46 H60 N6



RN 102278-73-9 CAPLUS
CN Antimonate(1-), hexafluoro-, (OC-6-11)-, hydrogen, compd. with N,N,N',N'-tetrakis[4-(diethylamino)-2-iodophenyl]-1,4-benzenediamine (1:1) (9CI) (CA INDEX NAME)

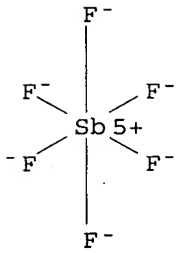
CM 1

CRN 102278-72-8
CMF C46 H56 I4 N6



CM 2

CRN 16950-06-4
CMF F6 Sb . H
CCI CCS

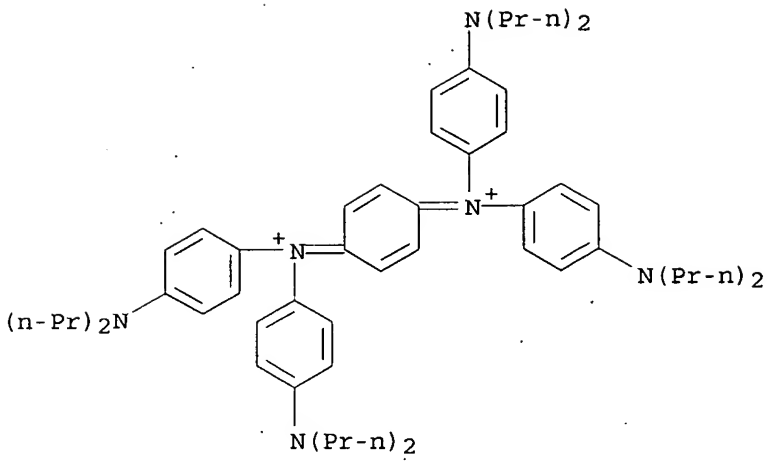


● H^+

RN 102279-11-8 CAPLUS
CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[hexafluoroarsenate(1-)] (9CI) (CA INDEX NAME)

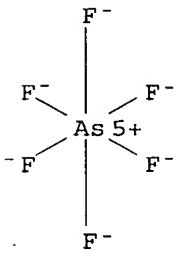
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

CRN 16973-45-8
CMF As F6
CCI CCS



L8 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1975:73615 CAPLUS
DOCUMENT NUMBER: 82:73615
TITLE: Aminium and diimonium salts used as polymerization inhibitors of diallyl digylcol carbonate
INVENTOR(S): Sherr, Allan E.
PATENT ASSIGNEE(S): American Cyanamid Co.
SOURCE: U.S., 3 pp. Division of U. S. 3,715,386 (CA 78;136,978t).
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3770793	A	19731106	US 1972-259179	19720602
US 3715386	A	19730206	US 1970-37867	19700515
PRIORITY APPLN. INFO.:			US 1970-37867	A3 19700515

GI For diagram(s), see printed CA Issue.
AB Mixing of I (R = amyl, Bu, Et, Me, X = SbF6, AsF6, ClO4), a bis(p-dialkyl aminophenyl)[N,N-bis(p-dialkylaminophenyl)-p-aminophenyl]aminium salt of SbF6 or CCl3CO2, or a N,N,N',N'-tetrakis(p-dialkylaminophenyl)-p-benzoquinonediimonium salt of SbF6, PhSO3, BF4, or NO3 with an acrylate monomer or diallyl diglycerol carbonate (II) [39219-02-8] prevented the

polymn. of the monomers during storage for an extended period of time without causing undesirable effects on polymers. Me methacrylate (III) [80-62-6] contg. 1 ppm tris(p-dimethylaminophenyl)aminium hexafluoroantimonate (I, R = Me, X = SbF6) [39219-23-3], 1 ppm bis(p-diethylaminophenyl)[N,N-bis(p-diethylaminophenyl)-p-aminophenyl]aminium hexafluoroantimonate [4263-38-1] and 1 ppm N,N,N',N'-tetrakis(p-dibutylaminophenyl)-p-benzoquinonebis(imonium hexafluoroantimonate) gelled after 8, 12, and 8 weeks resp., whereas III contg. 10 ppm I (R = Me, X = SbF6) gelled after 14 months. The II contg. 1 ppm I (R = Me, X = SbF6) gelled after 8 weeks.

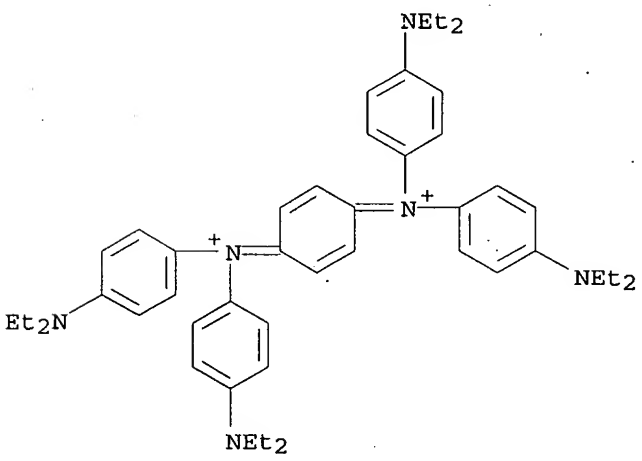
IT 51302-29-5
RL: USES (Uses)
(polymn. inhibitor for acrylates)

RN 51302-29-5 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(diethylamino)-N-[4-(diethylamino)phenyl]-, dinitrate (9CI) (CA INDEX NAME)

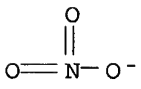
CM 1

CRN 47883-84-1
CMF C46 H60 N6



CM 2

CRN 14797-55-8
CMF N O3



L8 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1965:471636 CAPLUS
DOCUMENT NUMBER: 63:71636
ORIGINAL REFERENCE NO.: 63:13145h,13146a-e
TITLE: N,N,N',N'-Tetraphenyl-p-phenylenediamines and benzidines and their quaternary ammonium salts
INVENTOR(S): Susi, Peter V.; Weston, Norman A.
PATENT ASSIGNEE(S): American Cyanamid Co.
SOURCE: 62 pp.
DOCUMENT TYPE: Patent

LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1398240		19650507	FR 1964-974625	19640515
US 3251881		19660517	US 1963-295524	19630716
PRIORITY APPLN. INFO.:			US	19630516

GI For diagram(s), see printed CA Issue.

AB Compds. of the general formulas I and II and salts of the general formulas III and IV are prepd. and can be used as ir-rays absorbers. Thus, a mixt. of 1,4-C6H4(NH2)2 10.8, p-O2NC6H4Cl 94.5, K2CO3 31.7, and powd. Cu 2 in HCONMe2 150 parts is refluxed 48 hrs. to give 76 parts N,N,N',N'-tetrakis(p-nitrophenyl)-p-phenylenediamine (V), m. 390-2.degree. (PhNO2). Similarly prepd. are the following I (X = NO2) (X1 and Y given): H, Me; Cl, Cl; MeO, H. Similarly prepd. are the following II (X = NO2) (X1, Y, and Y1 given): H, H, H; Cl, H, H; Me, Me, H; Et, MeO, H; H, H, Me; H, Cl, H. V (29.6 parts) in 100 parts HCONMe2 is hydrogenated at 90.degree. in the presence of 1 part 10% Pd-C to give 64% N,N,N',N'-tetrakis(p-aminophenyl)-p-phenylenediamine (VI), m. >300.degree. (EtOH-HCONMe2). Similarly prepd. are the following I (X = NH2)(X1 and Y given): H, Me; Cl, Cl; MeO, H. Similarly prepd. are the following II (X = NH2) (X1, Y, and Y1 given): H, H, H, [m. 313-16.degree. (HCONMe2-EtOH)]; Cl, H, H; Me, Me, H; Et, MeO, H; H, H, Me; H, Cl, H. A mixt. of VI 14.2, EtI 56.2, and K2CO3 33.1 in 80% aq. Me2CO 200 parts is refluxed 4 hrs. to give N,N,N',N'-tetrakis(p-diethylaminophenyl)-p-phenylenediamine (VII), m. 214-15.degree. (HCONMe2-EtOH). Similarly prepd. are the following I (X1 = Y = H) (X and m.p. given): Me2N, 271-3.degree.; Pr2N, 157-8.degree.; Bu2N, 92-4.degree.; dioctylamino,-; didodecylamino,-; EtNH, -. Similarly prepd. is II (X1 = Y = Y1 = H, X = Et2N), m. 213-14.5.degree. (HCONMe2). VII 3.49 in HCONMe2 23 is treated with AgAsF6 1.49 in HCONMe2 25 parts to give 3.5 parts bis(p-diethylaminophenyl)[N,N-bis(p-diethylaminophenyl)-p-aminophenyl]ammonium hexafluoroarsenate, III (X = Et2N, Z = AsF6), m. 184-5.degree., a green solid. A soln. of 1.39 parts VII in 20 parts Me2CO is treated with AgSbF6 to give VIII, m. 216.degree. (decompn.). Also prepd. are the following III (X, Z, and m.p. given): Me2N, AsF6, 180-2.degree.; Me2N, SbF6, 184-5.degree.; Et2N, SbF6, 186-7.degree.; Et2N, BF4, 170-2.degree.; Pr2N, AsF6, 214-16.degree.; Pr2N, SbF6, 215-16.degree.; Bu2N, AsF6, 170.degree.; Bu2N, SbF6, 175.degree.; (C8H17)2N, SbF6, -; (C12H25)2N, SbF6, -. Also prepd. are the following IV (X = Et2N) (Z given): AsF6, ClO4, SbF6.

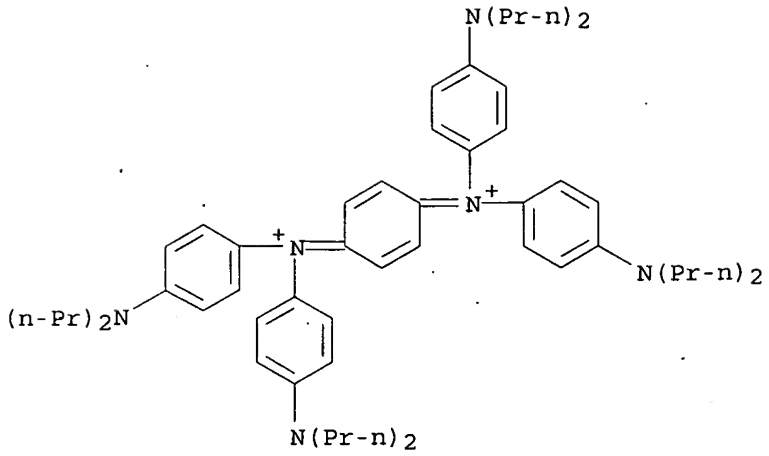
IT 3345-80-0, Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[(OC-6-11)-hexafluoroantimonate(1-)]
(prepn. of)

RN 3345-80-0 CAPLUS

CN Benzenaminium, N,N'-2,5-cyclohexadiene-1,4-diylidenebis[4-(dipropylamino)-N-[4-(dipropylamino)phenyl]-, bis[(OC-6-11)-hexafluoroantimonate(1-)] (9CI) (CA INDEX NAME)

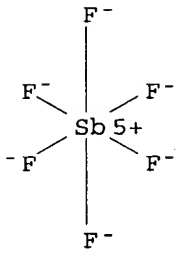
CM 1

CRN 47901-45-1
CMF C54 H76 N6



CM 2

CRN 17111-95-4
CMF F6 Sb
CCI CCS



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